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Result
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence:
  a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB DB
                                                                                                                                                                                                        Score
  748.6
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735.2
705
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565.2
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Match
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Gapop 10.0 , Gapext 1.0
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845
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1: /SIDS1/gcgdata/g
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                                                                                                                                                                                                                                                                                                                                                                                                     /SIDS1/gcgdata/geneseq/geneseqn-emb1/NA199.DAT:*
/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA199.DAT:*
/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA199.DAT:*
/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA199.DAT:*
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/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1993.DAT:*
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/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1995.DAT:*
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/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2001.DAT:*
/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2001A.DAT:*
/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2001B.DAT:*
/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2001B.DAT:*
/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2001B.DAT:*
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/SIDSI/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT:*
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AAC77730
ACC50321
ABV29510
ABZ25755
ABQ61087
AAI71793
ABQ56132
ABV23648
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                Human prostate exp
Human site-specifi
RIKEN 1810(46119 p
Human C35 coding s
Human ovarian anti
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                                                                                                                                   Breast cancer asso
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	ABQ54	2.	1606	9.1	77	45	
Human secreted pro	AAD33		0	•	77.2	44	
DNA encoding novel	ABK43		9	•	77.6	43	
Human polynucleoti			2884	9.2	77.6	42	
			1639	•	•	41	
polynucle			1111	•	78	40	
secreted			986	•	78	39	
secreted			985	•	78	38	
ovarian a			6066	•	8	37	
secreted			6065	•	78.2	36	
prostat			458	•	80	35	
cancer as			1016	•	8	34	
secreted			588	•	2	33	
			588	•	2	32	
Human colon cancer	1 AAC98006		371	9.8	82.6	31	
Human ovarian canc			433	•	87		C
Bovine EST associa			34(•	8	29	
breast c			373	•	127.4	28	
breast ca			569		9	27	
n prostate			349	٠	9	26	
embryonic	ABS7		71!	•	0	25	
elated to	ABL5949		43.	•		24	
secreted pr			31	•		23	
o			410			22	
pancreatic	ABVS		29:	•	$\boldsymbol{\vdash}$		a
Human pancreatic c			28		284		0
gene signat	AAT233		41:	•	90.	19	
pancreatic			29	•	297.4		a
pancreati	ABV9731		30:	•	99.		Λ
rentially e	ABQ7874		300		0	16	
pancreatio	ABV9674		34(•	. 346	15	
C35 gene c	AAH7714		35,	•	ū	14	
C35 codir	AAI71		35	•	ū	13	
prostat	ABV38		51.	•	381.2	12	
breast to	AAH555		40.		400	11	
_	ABV1490	23	875	55.5	469	10	
Human prostate exp	3 ABV44776		60:		565	9	

ALIGNMENTS

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RESULT 1
AAC77730
ID AAC77730
ID AAC77730
AC AAC7
XX AAC7
XX Huma
DE Huma
XX Huma
XX Huma
XX Huma
XX Huma
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XX Hanti
XX HAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; cancer associated gene; cancer antigen; detection; cancer; diagnosis; cytostatic; proliferative; vulnerary; immunomodulator; antidiabetic; antiasthmatic; antirheumatic; antiarthritic; antiviral; antiarthritic; antiviral; antiarthritic; antiviral; cardiant; antiallergic; antiabacterial; cardiant; dermatological; neuroprotective; thrombolytic; coagulant; nootropic; vasotropic; antipsoriatic; antianglogenic; gene therapy; inflammation; immune disorder; haematopoietic cell disorder; autoimmune disorder; allergic reaction; graft versus host disease; organ rejection; haemostatic; thrombolytic; cardiovascular disorder; infection;
                                                         12-MAR-1999;
                                                                                                                                              08-MAR-2000; 2000WO-US05882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human cancer associated gene sequence SEQ ID NO:124.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                haemostatic; thromboly neurological disease;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC AAC77607 to AAC78448 encode the human cancer associated proteins given CC in AAB4339 to AAB4239. The proteins can have activities based on the Ct tissues and cells the genes are expressed in. Example of activities CC include: cytostatic; proliferative; vulnerary; immunomodulator; CC antidiabetic; antiasthmatic; antiallergic; antiarthritic; antiviral; coantidiabetic; antiasthmatic; antiallergic; antiacterial; antiviral; CC entiinflammatory; antithyroid; antiallergic; antibacterial; coagulant; CC enotropic; vasotropic; antipsoriatic and antiangiogenic. The contropic; vasotropic; antipsoriatic and antiangiogenic of the proliferation and diagnosing pathological conditions. CC polynucleotides and polypeptides, antibodies, agonists and antagonists from CC immune cells, to treat disorders of hematopoletic cells, autoimmune cells, to treat disorders of hematopoletic cells, autoimmune coliferation, modulate hemostatic or thrombolytic activity, modulate rejection, modulate hemostatic or thrombolytic activity, modulate and companies and antagonists may be also be used in drug screens. AAC78449 to CC AAC78457 and AAB4240 represent sequences used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 845; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 845
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             present invention.
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)B; AAB43521.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . isolated nucleic acids comprising sequences encoding peptides il for treating or diagnosing e.g. cancer -
481
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CTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTAC
                                                                     CTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCT
                                                                                                    GATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTG
                                                                                                                          GATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTG
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                                                                                                                                                                          CTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCTAGAAAA
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27-JUN-2001; 2001US-301572P.
18-JUL-2001; 2001US-306501P.
25-SEP-2001; 2001US-325002P.
05-MAR-2002; 2002US-362585P.
14-MAY-2002; 2002US-380391P.
                                         Breast cancer diagnosis or treatment by comparing the level expression of a marker in a patient sample with that in the non-breast cancer sample -
                            Claim
                                                                     WPI; 2003-210381/20.
P-PSDB; ABR47619.
                                                                                                  Lillie J,
Monahan JE,
                                                                                                                                                                                         21-JUN-2002; 2002WO-US19669
                                                                                                                                                                                                      16-JAN-2003
                                                                                                                                                                                                                     WO2003004989-A2
                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                              Breast cancer associated cDNA sequence SEQ ID NO:479
                                                                                                                                                                                                                                                                             12-JUN-2003
                                                                                                                                                                                                                                                                                                        ACC50321
                                                                                            Hortobagyi GN,
                                                                                                                        (MILL-) MILLENIUM PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID 479; 128pp; English.
                                                                                                                                                                                                                                                                                                        standard; cDNA; 1057
                                                                                                                                                                                                                                                                                                                                                          cccc
                                                                                                                                                                                                                                                                                                                                                                                                                  CTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCCAGTCCACT
                                                                                          Gannavarapu M, Glatt K,
, Myer V, Wang Y, Xu Y,
GN, Pusztai L, Meric F,
                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                 cancer;
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                                                                                           Hoersh S,
Zhao X,
Sahin A,
                                                                                            Meyers
Mills
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Meyers RE,
Mills GB;
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Bast RC;
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The present invention describes a method for assessing whether a patient is afflicted with breast cancer. The method comprises comparing the leve of expression of a marker (gene/polypeptide see ACC50076 to ACC50334 and

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1057 BP;
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RESULT 3 ABV29510/c

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16-MAR-2000;
25-MAY-2000;
09-JUN-2000;
18-JUL-2000;
                                                                                                                                                                                                                                                                      in a patient;
(e) selecting
(f) assessing
(g) determining
(h) assessing
                                                                                                                                                                                                                                                                                                                                      a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of t specification or its complement. (1) is useful for: (a) assessing whether a patient is afflicted with prostate cancer; (b) monitoring the progression of prostate cancer in a patient; (c) assessing the efficacy of a test compound to inhibit prostate cancer in a patient;
                                                                                                                                                                                                                                                                                                                    cancer in a patient;
(d) assessing the efficacy of a therapy for inhibiting prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; prostate pharmacogenomic
                                                                                                                                                                                                                      Sequence
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                                                                                                                                                                                                                                                                    selecting a composition for inhibiting prostate cancer in a patien assessing the prostate cell carcinogenic potential of a compound; determining whether prostate cancer has metastasized in a patient, assessing the aggressiveness or indolence of prostate cancer in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    detecting
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                                                                                                                                                                                                                                            also useful as a pharmacodyanamic or pharmacogenomic marker.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                plated nucleic acid molecule associated with cancerous state of cells and correlating with presence of prostate cancer, useful
 ATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAG
                                       TGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGC
                                                                                    CCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGGTCCGCATCGTGGTGGAGTACTGTGAACCC
                                                                                                                         GGGGCCCGAGCGGAGCCGGCGGATGAGCGGGGAGCCGGGGCAGACGTCCGTAGCGCCC
                                                                                                                                      GGGCCCGAGGCGGAGCCGGCCGATGAGCCGGGGAGCCGGGGCAGACGTCCGTAGCGCCC
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                                                                        CCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGTGGAGTACTGTGAACCC
                                                                                                                                                                                                                                                                                                                                                                                                                                               Page 6323; 11750pp; English.
                         TGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGC
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2000US-211314P.
2000US-219007P.
2000US-255281P.
                                                                                                                                                                       Conservative
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2000US-189862P.
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marker; gene; ss.
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Pred. No. 1.4e-127;
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                                                                                                                                                                                                    14-AUG-2002.
                                                                                                    05-JAN-2001; 2001CN-0105072
                                                                                                                                                      05-JAN-2001;
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                                                                                                                                                                                                                                                                                                    /product= "Human site-specific recombinase motif-
containing protein 12.63"
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WPI; 2002-742038/81.
P-PSDB; ABP58560.
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Polypeptide-human protein 12.63 containing site-specific recombinase characteristic sequence fragment and polynucleotide for coding it -

Claim 6; Page 26-27 (Disclosure); 33pp; Chinese.

The invention relates to human site-specific recombinase motif-containing protein 12.63 (ABP58560) and nucleic acids encoding it (ABZ25755). The protein has a molecular weight of 12.63 kD. The invention also relates to a method for the recombinant production of the protein, an antagonist of the protein, and the use of the protein, gene and antagonist in therapeutic applications. Site-specific recombinase motif-containing protein 12.63 can be used in the treatment of a variety of diseases such as cancer and HIV (human immunodeficiency virus) infection. The present sequence represents cDNA encoding human site-specific recombinase motif-containing protein 12.63.

Sequence 786 BP; 175 A; 233 C; 220 G; 158 T; 0 other;

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 TAATACCTGTCTGATGCCACAGATTTTATTTATTCTCCCCCTAACCCAGGGCAATGTCAGT
               TAATACCTGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGC
                                                                                                      GGAAGATCCCGTGGCCTTGGGGGCAGGAGAGAGACACCCTCCATGAACACTTCTCCAGCC
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                                                                                                                                                 Query Match
Best Local Similarity
Matches 740; Conserv
                                                                                                                                                                                                                                                                                   vulnerary, neuroprotective, immunomodulator, cytostatic and anti-inflammatory. Compositions comprising nucleac acids of the invention are useful for treating a mammalian subject, or as nutritional sources or supplements. These are useful in gene therapy, particularly for treating wounds, burns or ulcers, Alzheimer's disease, Huntington's disease, amyotrophic lateral sclerosis, autorimmune disorders, cancer or inflammation. The nucleic acids and polypeptides are also useful in diagnostic and research methods. The sequences given in records ABQ60788-ABQ61233 represent polypucleotides of the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at fifth wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New polypeptides and their encoded proteins, useful as nutritional sources or supplements, or in gene therapy, particularly for treating wounds, Alzheimer's disease, amyotrophic lateral sclerosis, cancer or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tang
                                                                                                                                                                                                                                               Sequence 748
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID # 300; 357pp + sequence listing; English.
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Pred. No. 3.9e-125;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ovarian cancer; breast cancer; tumour; reproductive system disorder; infertility; pregnancy disorder; anovulation; polycystic ovary syndro pros; ovarian cyst; dysmenorrhoea; endocrine disorder; infection; inmune disorder; blood disorder; cardiovascular disorder; respiratory disorder; neurological disorder; gastrointestinal disorder; urinary system disorder; drug screening; gene therapy; chromosome mapping; forensic analysis; antibody preparation; cytostatic; immunomodulatory; neuroprotective; antibody preparation; cytostatic; immunomodulatory; neuroprotective;
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Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and neurological diseases

Claim 1; SEQ ID No 2012; 2922pp; English.

The invention relates to 2175 novel human ovarian antigens (ABP41054-CC ABP43228) and to cDNAs encoding them (ABQ54111-ABQ56305), and also CC encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to recombinant vectors and host cells comprising human ovarian antigen CC polynucleotides, antibodies against human ovarian antigens, and the use CC of ovarian antigen polynucleotides and polypeptides in diagnosing, CC treating, prognosing or preventing various ovary and/or breast-related disorders. Such conditions include ovarian cancer and breast cancer, and CC metastatic tumours of ovarian or breast origin, reproductive system CC disorders (e.g., infertility, disorders of pregnancy, anovulation, CC polycystic ovary syndrome, ovarian cystes, and dysmenorrhoea), endocrine CC disorders, infections (e.g., chlamydia, HIV, toxoplasmosis, and toxic Shock syndrome), inflammatory conditions (e.g., mastitis, ophoritis and caginitis), immune disorders (e.g., congenital and acquired vaginitis), immune disorders (e.g., congenital and acquired conditions crelated disorders (e.g., anaemia), cardiovascular disorders. CC and urinary system disorders. Ovarian antigen polypeptides and disorders

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Note: The sequence data for this patent did not form specification, but was obtained in electronic format at ftp.wipo.int/pub/published_pct_sequences.
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                             TG--
                                                       TNCCAGGTAAAGTGCCCACGAAAGCCCAGTCCACTCTTTGNCTCGGTAATACCTGTCTGA
                                                                                                                                CCTTGGGGGCAGGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCCCCT
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RESULT 8
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16-MAR-2000;
25-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                    in a patient;
(e) selecting
(f) assessing
                                                                                                                                                                                                                                                                                                                                                                                              a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of t specification or its complement. (I) is useful for: (a) assessing whether a patient is afflicted with prostate cancer; (b) monitoring the progression of prostate cancer in a patient; (c) assessing the efficacy of a test compound to inhibit prostate cancer in a patient;
                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel isolated nucleic acid molecule associated with cancerous state prostate cells and correlating with presence of prostate cancer, use for detecting presence of prostate cancer stage of prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1;
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18-JUL-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-SEP-2002
                                                                                                                                                                                                                                                                                                                          selecting a composition for inhibiting prostate cancer in a patient; assessing the prostate cell carcinogenic potential of a compound; determining whether prostate cancer has metastasized in a patient; assessing the aggressiveness or indolence of prostate cancer in a
                                                  294
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                                                                                                                                                                                                                                                                                                      also
                                                                                        --GGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGG
                                          GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCCAGTAATGGAGAAACCC
                                                                                                                                        TCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACA-----
                                                                                                                                                                                                                                                                             814
  TAGAAAAGATCACCAACAGCCGTCCTTCCCTGC-GTCATCCTGTGACTGCACAGGACTCTG
                                                                           TGGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGG
                                                                                                                           TCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGAGGCTCGCAGAACACCTGC
                                                                                                                                                                          TCAACGCGGGGGGCTTCGTGCGACCTACCTGGAGCTGGCCAGTGCGGTGAAGGAGCAGCA
                                                                                                                                                                                                 TGAACCCTGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTA
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                                                                                                                                                                                                                                                                                                    useful
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; 2000US-207454P.
; 2000US-211314P.
; 2000US-219007P.
                                                                                                                                                                                                                             Conservative
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Pred. No. 3.7e
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                                                                                                                                                                                                                                                                            G; 199 T; 1 other;
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16-MAR-2000;
25-MAY-2000;
09-JUN-2000;
18-JUL-2000;
13-DEC-2000;
                          Novel isolated nucleic acid molecule associated with cancerous state of prostate cells and correlating with presence of prostate cancer, useful for detecting presence of prostate cancer, stage of prostate cancer -
                                                                                                                                                                                              Human; prostate pharmacogenomic
                                                                                                                                                                     WO200160860-A2
                                                                                                                                                                                                                   Human
                                                                                                                                                                                                                                             ABV44776;
             Claim 1; Page
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  invention
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                                                                                MILLENNIUM PREDICTIVE
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                                                                                                                                                                                                                                                         standard;
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; 2000US-189862P.
; 2000US-207454P.
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; 2000US-219007P.
; 2000US-255281P.
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  relates
              8878;
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             11750pp; English
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  an
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  isolated nucleic
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                                                                                MEDICINE
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                                                                                                                                                                                                     carcinogen;
  acid
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 molecule (I) comprising
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 RESULT 10
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(a) assessing whether a patient is affiliated with prostate cancer.
(b) monitoring the progression of prostate cancer in a patient;
(c) assessing the efficacy of a test compound to inhibit prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cancer in a patient;
(d) assessing the efficacy of a therapy for inhibiting prostate cancer in a patient;
(e) selecting a composition for inhibiting prostate cancer in a patient (e) selecting a composition for inhibiting prostate cancer in a patient (f) assessing the prostate cell carcinogenic potential of a compound;
(g) determining whether prostate cancer has metastasized in a patient;
(h) assessing the aggressiveness or indolence of prostate cancer in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 602 BP; 124 A; 173 C; 176 G; 127 T; 2 other;
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ATGAACACTTCTCCAGCCACCTCATA
                                                                                CCTGCCTCTTTCCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTT
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Pred. No. 3.9e-94;
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patient;
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ABV14903
ID ABV14903 standard; cDNA; 875 BP.
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AC ABV14903;
AC ABV14903;
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DT 13-SEP-2002 (first entry)
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602

DE Human prostate expression marker cDNA 14894.

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KW Human; prostate cancer; cytostatic; carcinogen; pharmacodyanamic marker;

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Matches 572
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18-JUL-2000;
13-DEC-2000;
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(a) assessing whether a patient is afflicted with prostate cancer;

(b) monitoring the progression of prostate cancer in a patient;

(c) assessing the efficacy of a test compound to inhibit prostate cancer in a patient;
                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer in a patient;
(d) assessing the efficacy of a therapy in a patient;
(e) selecting a composition for inhibiting the prostate cell carcinog determining whether prostate cancer (g) determining whether prostate cancer (h) assessing the aggressiveness or indo
                                                                                                                                                                                                                                                                                                                                                                                   Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-MAR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                    selecting a composition for inhibiting prostate cancer in a patien assessing the prostate cell carcinogenic potential of a compound; determining whether prostate cancer has metastasized in a patient, assessing the aggressiveness or indolence of prostate cancer in a
                  414
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                                                           AGAAAAGATCACCAACAGCCGTCCTCCCTGC-GTCATCCTGTGACCTGCACAGGACTCTGG
                                                                                                 CTTTCCCTATGAGAAAGATCTCATTGAGGCCATTCGAAGAGCCAGTAATGGAGAAACCCT
                                                                                                                 CTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCT
                                                                                                                                                       GGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCCAAGCTGGAGAATGGGGG
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                                           AGAAAAGATCACCAACAGCCGCCCTCCCTGCGGTCATCCTGTGACTGCACAGGACTCTGG
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; 2000US-207454P.
; 2000US-211314P.
; 2000US-219007P.
; 2000US-255281P.
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                                                                                                                                                                                                                                                                                                                          0,
                                                                                                                                                                                                                                                                                                                                                                                C; 216
                                                                                                                                                                                                                                                                                                                                       Score 469;
Pred. No. 1
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RESULT 11
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The present sequence is a human breast tumour protein coding sequence. This sequence may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the breast tumour protein e.g. breast cancer. For example, this sequence may be used to treat disorders associated with decreased expression by rectifying mutations or deletions in a patient's genome that affect the activity of breast tumour protein by expressing inactive proteins or to supplement the patients own production of the breast tumour protein. Additionally,
                                                                                                                                                                                                                                                                                                                                                                                 gene
                                                                                                                                                                               Dillon
                                                                                                                                                                                                                                    10-MAR-2000;
07-APR-2000;
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22-FEB-2000;
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                                                                                                                                                                                                                                                                                                                                                                                             Cytostatic; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                        04-SEP-2001
                                                                                                                                                                                                                                                                                          29-NOV-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                Human breast tumour protein
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                                                                                                                        tumor polypeptides and the nucleic acids that encode them, for the prevention, diagnosis and treatment of breast canc
                                                                                                                                                                               DC,
                                                                                                                                                                                                     CORIXA CORP
                                                                                                    Page 154; 221pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard;
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2000US-0510662.
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Best Local S
Matches 400
                                                                                                17-FEB-2000; 2000US-183319P.
16-MAR-2000; 2000US-189862P.
25-MAY-2000; 2000US-207454P.
09-JUN-2000; 2000US-211314P.
18-JUL-2000; 2000US-219007P.
13-DEC-2000; 2000US-255281P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; prostate pharmacogenomic
     Schlegel
                                                                                                                                                                                                                                                                                  20-FEB-2001; 2001WO-US05171
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Pred. No. 4.4e-64;
0; Mismatches 4
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                                                      MEDICINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              carcinogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pharmacodyanamic marker;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          194
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RESULT 13
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an isolated nucleic acid molecule (I) compa nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the specification or its complement. (I) is useful for:

(a) assessing whether a patient is afflicted with prostate cancer;

(b) monitoring the progression of prostate cancer in a patient;

(c) assessing the efficacy of a test compound to inhibit prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cancer in a patient; (d) assessing the ef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-662795/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              in a patient;
(e) selecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  selecting a composition for inhibiting prostate cancer in a patient; assessing the prostate cell carcinogenic potential of a compound; determining whether prostate cancer has metastasized in a patient; assessing the aggressiveness or indolence of prostate cancer in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      assessing the efficacy of a therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   detecting
510
                            594
                                                       450
                                                                                   534
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                                                                                                                                            474
                                                                                                                                                                       330
                                                                                                                                                                                                   414
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          139
                                                                                                                                                                                                                                                                                                                                                                          236
                                                                                                                                                                                                                                                                                                                                                                                                                                   199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                isolated nucleic acid molecule associated with cancerous state of ate cells and correlating with presence of prostate cancer, useful
                                                                                                                                                                                                                                                                                                                                                                                                      90
                                                                                                                                                                                                                                                                                                                                                                                                                                                               30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGAACCCTGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTA
                                                                                                                                                                                       GTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
                                                                                                                                                                                                                                                                                                                                              GGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCCAAGCTGGAGAATGGGGG
                          ATGAACAC
                                                                       CCTGCCTCTTTCCCCCTACTTAGCTTCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTT
                                                                                                                                CCTGCCTCTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTT
                                                                                                                                                                       GTTCCTGCTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGGGAGCTCCC
                                                                                                                                                                                                                               AGAAAAGATCACCAACAGCCGCCCTCCCTGCGGTCATCCTGTGACTGCACAGGACTCTGG
                                                                                                                                                                                                                                                 AGAAAAGATCACCAACAGCCGTCCTCCCTGC-GTCATCCTGTGACCTGCACAGGACTCTGG
                                                                                                                                                                                                                                                                                        CTTTCCCTATGAGAAAGATCTCATTGAGGCCATTCGAAGAGCCAGTAATGGAGAAACCCT
                                                                                                                                                                                                                                                                                                          CTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCT
                                                                                                                                                                                                                                                                                                                                                                 -GGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGG
                                                                                                                                                                                                                                                                                                                                                                                                      TTCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGAGGTCGCATAACACCTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                 TCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCACA------
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCAACGCGGGGGGCTTCGTGCGACCTACCTGGAGCTGGCCAGTGCGGTTATGGAACAACA
ATGAACAC
                                                        useful as a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7921; 11750pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  presence of prostate cancer, stage of
                          601
517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; 138 C; 142 G; 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pharmacodyanamic or pharmacogenomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             isolated nucleic acid molecule (I) comprising in Tables 1-9 (ABV00010-ABV62213) of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 381.2; DB 2
Pred. No. 1.2e-60;
0; Mismatches 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for inhibiting
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 23;
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                                                                                                                                                                                                                                                                                                                                                  Matches 354;
                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                    The present sequence is human C35 coding sequence. C35 is a novel tune antigen that is overexpressed in human breast and bladder carcinoma. (is thought to be a promising candidate for tumour immunotherapy, in immunogenic compositions and vaccines, to induce antibody and cell-mediated immunity against target cells such as tumour cells that express C35 genes. The C35 gene aligns on human chromosome 17q12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human;
breast
                                                                                                                                                                                                                                                                                                                                              Sequence 354 BP; 77 A; 94 C; 120 G; 63 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel C35 polypeptides and C35 genes useful in immunogenic compositions and vaccines, for inducing antibody and cell-mediated immunity against target cells, such as tumor cells that express C35 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       P-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-APR-2000; 2000US-194463P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-APR-2001; 2001WO-US10855
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                                                                                                                                                                                                                                                                                                             Local
                    344
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301
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C35; cytostatic; gene therapy; vaccine; tumour antigen; ss; cancer; bladder cancer; tumour immunotherapy; chromosome 17q12.
                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   UNIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAG78997.
                                                                                                                                                                                                                                                                GCCGCGATGAGCGGGGAGCCCGGGGGCAGAACGTCCGTAGCGCCCCCCTCCCGAGGAGGTCGAG
              GGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGA 397
                                                               GAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAAT 343
                                                                                                               CTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTG
                                                                                                                                                                                                             CCGGGCAGTGGGGTCCGCATCGTGGAGTACTGTGAACCCTGCGGCTTCGAGGCGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fig 1; 331pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Σ,
                                              GAGAATGGGGGCT
                                                                                             CTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTG
                                                                                                                                           TACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGC
                                                                                                                                                                     TACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGC
                                                                                                                                                                                             CCGGGCAGTGGGGTCCGCATCGTGGTGGAGTACTGTGAACCCTGCGGCTTCGAGGCGACC
                                                                                                                                                                                                                                             coding
                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Evans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ROCHESTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers 7..354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /*tag= a
/product= "Human C35"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EE,
                                                                                                                                                                                                                                                                                                        41.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Borrello MA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #
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                                                                                                                                                                                                                                                                                                        Score 354; DB 22
Pred. No. 1e-55;
                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                     22;
                                                                                                                                                                                                                                                                                              <u>,</u>
                                                                                                                                                                                                                                                                                                                     Length 354;
                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                      novel tumour
arcinoma. C35
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                                                                                                                                                                                                                                                                                             Gaps
                                             300
                                                                                             240
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RRESULT 14
AAH77148
AID AAH7717
XX AC AAH77
XX DAT O8-MA
XX C35;
XW C35;
XW MC35;
XW MC55;
XW MC55;
XW MC55;
XW MC55;
XW MC57
XX T000
XX MO0201
XX Grave
XX C05
YT CDS
YT COMpl
XX WP1;
DR WP1;
DR WP1;
DR WP1;
DR WP1;
CC CDaunc
CC Class
CC Class
CC Class
CC Class
CC CTAVe:
CC Grave
CC Grave
CC Grave
CC Grave
CC Grave
CC CINVent
CC CINV
                                                 The invention comprises a compound which contains one or more major CC histocompatibility complex (MHC)-peptide complexes, and an antibody specific for a cell surface marker. The complexes comprise an MHC class CC I alpha chain, a beta-2 microglobulin molecule and an antigenic peptide cound in the MHC groove. Alternatively, the complexes may comprise an MHC Class II alpha chain, an MHC class II beta chain, and an antigenic complexes if alpha chain, and the Class II beta chain, and an antigenic complexes II beta chain, and an antigenic competitive of the antibody. The compounds of the invention can be used as a competitive of the carboxyl competitive compounds of the invention can be used as a compound of the invention can be used as a compound of the invention competitive compounds of the invention competitive and competitive infections (e.g. hepatitis and competitive infections) (e.g. hepatitis and compounds) wiral infections (e.g. hepatitis and compounds) infections (e.g. hepatitis and compounds) compounds of the invention may also be used in the compounds of the invention may also be used in the compounds of the invention may also be used in the compounds of the invention may also be used in the compounds of the invention, antigenic peptides derived from C35 protein can be used to promote an immune response against a cancerous cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C35; antigenic peptide; major histocompatibility complex; ss; MHC-peptide complex; MHC human; MHC class I alpha chain; gene; beta-2 microglobulin; MHC class II alpha chain; MHC class II beta vaccine; immune response modulation; hyperproliferative disorder; neoplasm; hypergammaglobulinaemia; viral infection; hepatitis; meningitis; bacterial infection; tuberculosis; gingivitis; parasitic infection; autoimmune disease; Hashimoto's disease; graft-versus-host disease; GVHD; breast cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel compound comprising major histocompatibility complex-peptide complexes, used to modulate immune responses -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200178768-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard; cDNA; 354 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fig 7; 166pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ROCHESTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000US-196472P
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/product= "C35 protein"
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Query Match

Sequence

354 BP;

77 A; 94 C;

T; 0 other; DB

Score 354; 120 G; 63

23; Length 354;

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RESULT 15
ABV96744
ID ABV96
XX ABV96
XX ABV96
XX AV96
XX Human
XX Human
XX Human
XX Human
XX Homo
XX O8-AU
XX 30-JA
PF 30-JA
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                                                                                                                                                                                                                                                                                                                                                                                                           30-JAN-2001; 2001US-265305P.
31-JAN-2001; 2001US-26582P.
09-FEB-2001; 2001US-267568P.
21-MAR-2001; 2001US-278651P.
28-APR-2001; 2001US-278112P.
16-MAY-2001; 2001US-291611P.
12-JUL-2001; 2001US-395484P.
20-AUG-2001; 2001US-333999P.
27-NOV-2001; 2001US-333626P.
                                                                                                                                     New isolated polynucleotide and pancreatic tumor polypeptides, useful for diagnosing, preventing and/or treating cancer, particularly pancreatic cancer -
  The invention relates to an isolated polynucleotide (I) comprising: (a) any of a group of over 4000 nucleotide sequences (ABV94628-ABV99145);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; pancreas; cancer; gene therapy; vaccine; immunostimulant;
cytostatic; tumour; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABV96744;
                                                                                  Claim 1; SEQ ID NO 2152; 300pp + Sequence Listing; English
                                                                                                                                                                                                                                                    WPI; 2002-627435/67
                                                                                                                                                                                                                                                                                                       Benson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JAN-2002; 2002WO-US02781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-AUG-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human pancreatic cancer expressed cDNA SEQ ID NO 2152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABV96744 standard; cDNA; 346
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            104 CCGGGCAGTGGGGTCCGCATCGTGGTGGAGCCTGCGGGCTTCGAGGCGACC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAAT
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CC Note: The sequence data for this patient did not form part of the printed specification, but was obtained in electronic format directly from WIPO at figure in the polypeptides and proteins in the printed specification, but was obtained in electronic format directly from WIPO at figure in the polypeptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 346
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301
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                                          TAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTTTGGGT 538
                                                                                                                                    GTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTCCCCTACT
                                                                                                                                                                                                                            CCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGG
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  TAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGT 346
                                                                                       GTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTCCCCTACT
                                                                                                                                                                               CCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; 101 C; 91 G; 84 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 346; DB 24; Length 346; Pred. No. 3e-54; O; Mismatches O; Indels
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Search completed: December 18, 2003, 20:48:59 Job time: 304 secs

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
    Result
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Maximum DB seq length: 2000000000
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Perfect score:
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                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
Query
                                                                                                                                                                                  Issued_Patents_NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          569978 seqs, 220691566 residues
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Gapop 10.0 , Gapext 1.0
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845
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                                              SUMMARIES
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No.	Score	Match	Length	B	ID	Description
1	82.4		588	4.	US-09-205-258-64	Sequence 64, App
N	73.4	8.7	2407	ω	-09-370-807-	e 7, 1
ω	73.4		2407	4.	-09-921-	
4	72.6		2852	w	US-09-027-137-2	e 2,
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σ	72.4		2065	w	-09-370-473-	
7	72		1733	w	-09-073-56	۳
8	71.4		572	4.	-653-	Œ
9	71.4		1361	4	-847-	e 64
10	70.2		569	4	325	_
11	70		94	4	US-09-404-879A-261	e 26:
12	70		94	4	US-09-338-933-261	e 26:
13	70		94	4	US-09-215-681-261	e 26
14	70		949	4.	US-09-489-847-35	e 35
15	69.8		1123	4	•	e 15,
16	69.8		4055	4	US-09-620-312D-706	e 70
17	69.4		966	-	•	e 7,
18	69.4		966	N	4	e 7,
19	69		1447	4	US-09-443-041A-27	27,
20	68.8		700	4	-09-152-060-2	e N
21	.80		1091	4	-09-	e 1,
22	68.6		3080	4	-041 <i>F</i>	e 25,
23	8	8.1	3080	4.	US-09-245-281-25	e 25,
24	8	8.1	3080	4	-359E	e 25,
25	68.6	8.1	3080	4	6	e 25
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APPLICATION FILING DATE:	DATE:	ATION	FILING DATE:	••	ATION	••	ATION	DATE:	ATION	••	ATION	••	PERTURNATION:	ATION	DATE:	ATION	••	APPLICATION	ATION	••	ATION	••	ATION	••	ATTON.		••	ATION	••	ATION:	FILING DATE:	FILING DATE:	APPLICATION	FILING DATE:	TION	INVENTION:	Young	g g	4, Applicat	
NUMBER: 60/048,915 1997-06-06	7-06-06	NUMBER: 60	NUMBER: 60/048,901 1997-06-06	06-06	NUMBER: 60	1997-06-06	R: 60	-06-06	NUMBER: 60	1997-06-06	NUMBER: 60	1997-06-06	NIMBER: 60/048	NUMBER: 6	1997-06-06	NUMBER: 6	1997-06-06	NUMBER: 60/048.884	NUMBER: 6	1997-06-06	, :: ' 6	1997-06-06	NUMBER: 6	1997-06-06	NIMBER: 60/048	NUMBER: 60/048,880	1997-06-06	NUMBER: 6	1997-06-06	NUMBER: 6	1997-06-06	1998-06-04	NUMBER: PCT/US98/11422	1998-12-04	NUMBER: US/09/205,258	\sim			ion US/09205258	

APPLICATION NUMBER: 60/049,019

APPLICATION NUMBER: 60/048,970

1997-06-06 1997-06-06

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EARLIER APPLICATION NUMBER: 60/048,974
EARLIER APPLICATION NUMBER: 60/048,883
EARLIER FILLING DATE: 1997-06-06
EARLIER FILLING DATE: 1997-06-06
EARLIER FILLING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,897
EARLIER APPLICATION NUMBER: 60/048,898
EARLIER APPLICATION NUMBER: 60/048,962
EARLIER FILLING DATE: 1997-06-06
EARLIER FILLING DATE: 1997-06-06
EARLIER FILLING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,963
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EARLIER FILLING DATE: 1997-06-06
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EARLIER FILLING DATE: 1997-07-0923
EARLIER APPLICATION NUMBER: 60/092,921
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EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILLING DATE: 1998-07-15
EARLIER FILLING DATE: 1998-07-15
EARLIER FILLING DATE: 1998-07-15
EARLIER FILLING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PATENTIN Ver. 2.0
RESULT 2
US-09-370-807-7
; Sequence 7; Application US/09370807
; Patent No. 6297034
                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: SITE
LOCATION: (566)
OTHER INFORMATION: n
US-09-205-258-64
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EARLIER APPLICATION NUMBER: 60//
EARLIER FILING DATE: 1997-06-06
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LOCATION: (565)
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                 811 AAAAAAAAATNTNGGGGGGGGGCCCCCCCCCC 845
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FILING DATE: 1997-06-06
APPLICATION NUMBER: 60/049,374
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Pred. No. 1.5e-09;
0; Mismatches 8;
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APPLICANT: Calboon, Rebecca E.
APPLICANT: Falco, S. Carl
APPLICANT: Falco, S. Carl
APPLICANT: Rafalski, J. Antoni
APPLICANT: Sakai, Hajime
FILLE OF INVENTION: N-End Rule Pathway Enzymes
FILE REFERENCE: BB-1199
CURRENT APPLICATION NUMBER: US/09/370,807
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: 60/096,225
EARLIER FILING DATE: August 12, 1998
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Microsoft Office 97
SEQ ID NO 7
LENGTH: 2407
RESULT 4
US-09-027-137-2
US-09-027-137-2
; Sequence 2, Application US/09027137
; Patent No. 6013450
; GENERAL INFORMATION:
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Patent No. 6465234
GENERAL INFORMATION:
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Falco, S. Carl
APPLICANT: Rafalski, J. Antoni
APPLICANT: Sakai, Hajime
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                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA; ORGANISM: Oryza sativa US-09-921-259-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 3
                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 16
SOFTWARE: Microsoft Office 97
SEQ ID NO 7
SEQ ID NO 7
LENGTH: 2407
TYPE: PAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best
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Best Local Similarity 90.6%;
Matches 77; Conservative
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CURRENT FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: 60/096,225
PRIOR FILING DATE: August 12, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: N-End Rule Pathway Enzymes FILE REFERENCE: BB-1199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local
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l Similarity 90.6%;
77; Conservative
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                                                                                                                                 AAAAAAAACTCCGGGGGGGGGCCC 2061
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                                                                                                                                                                                                                                                                   Score 73.4; DB 4;
Pred. No. 2.2e-07;
0; Mismatches 8;
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Pred. No. 2.2e-07;
0; Mismatches 8;
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APPLICANT:
APPLICANT:
APPLICANT:

COUNTRY:

USA

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CITY: Palo Alto

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Sequence 2, Application US/09344441
Patent No. 6376651
GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: DOS
SOFTWARE: PastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
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ADDRESSEE: Incyte Pharmaceuticals,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 2852 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
                                                         Yue, Henry
TITLE OF INVENTION: CAF1-RELATED PROTEIN
NUMBER OF SEQUENCES: 3
                                                                                                                    APPLICANT: Hillman, Jennifer L. Corley, Neil C.
                                                                                                                                                                                                                                                                                                                                                                    2447 ATACTATTTATGTTTTAATTTTGTAAAATAAAGATTTCTTTTAACCACTGGCAAAAAA
                                                                                                                                                                                                                                                                                                                            805 AAAAAAAAAAAAAAATNTNGGGGGGGGGCCC 837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              685 ATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTAAA 744
                                                                                                                                                                                                                                                                                                                                                                                                       3174 Porter Dr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 72.6; DB 3;
Pred. No. 3.5e-07;
0; Mismatches 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 2852;
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   ; TYPE: DNA
; ORGANISM: Triticum aestivum
US-09-370-473-5
                                                                                                                                                                                                                                                                                                                                                                  US-09-370-473-5
                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
                                                     SUP IN NO 5 SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-344-441-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 102; Conserv
                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/09370473 Patent No. 6271031
                                                                                              NUMBER OF SEQ ID NOS: 12
SOFTWARE: Microsoft Office 97
                                                                                                                                  EARLIER APPLICATION NUMBER: 60/096,240 EARLIER FILING DATE: August 12, 1998
                                                                                                                                                                      APPLICANT: Falco, S. Carl
APPLICANT: Famodu, Layo O.
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: Quinolinate Metabolism
FILE REFERENCE: BB-1209
CURRENT APPLICATION NUMBER: US/09/370,473
CURRENT FILING DATE: 1999-08-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 09/027,137
FILING DATE: 1998-02-20
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-04
                                                                                                                                                                                                                                                                                                                                                                                                                                           2567 AAAAAAAAAAAAAAAAAAGGGGGGCCGCTC 2599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2447 ATACTATTTATGTTTTAATTTTGTAAAATAAAGATTTCTTTTTAACCACTGGCAAAAAA 2506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                            INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      685 ATGCCACAGATTTTATTTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTAAA 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAAAAAAAAAAAAAATNTNGGGGGGGGCCCC 837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/344,441
FILING DATE: 20-Feb-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLONE: 2229466
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 2852 base pairs
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66.7%;
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Pred. No. 3.5e-07;
0; Mismatches 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PF-0476
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Gaps

US-09-027-137-2

TOPOLOGY: lineal
IMMEDIATE SOURCE:
LIBRARY: PROSNO'
CLONE: 2229466

STRANDEDNESS:

FILING DATE: F CLASSIFICATION:

FILING DATE:

Matches 102; Best Local Similarity

Query Match

RESULT 5 US-09-344-441-2

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813 AAAAAAAATNTNGGGGGGGGGCCCCCCCCC 844

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Matches Query Match Best Local 9

79;

Conservative

0; Mismatches Score 72.4; DB 3; Pred. No. 3.5e-07;

Similarity

8.6%;

DB 3;

Length Indels

2065; 0;

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US-09-073-569-1
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                                                                                                                        Matches 102;
                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/09073569 Patent No. 6084088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Sheppard, Paul O.
APPLICANT: Sheppard, Paul O.
APPLICANT: Grossmann, Angelika
APPLICANT: Grossmann, UVEL TUMOR ANTIGENS
                                                                                                                                                                                                                                                                                                               TELEX:
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/073,569
                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY AGENT INFORMATION:
NAME: Sawislak, Deborah A
REGISTRATION NUMBER: 37,438
REFERENCE/DOCKET NUMBER: 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: 206-442-6672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: ____STREET: ____
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                                                                                                                                                                                                            NAME/KEY:
LOCATION:
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                                                                                                                                                                                                 OTHER INFORMATION:
                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                    ENGTH: 1733 base pairs
                 98102
TGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGC 738
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                                                                                                                        Conservative
                                                                                                                                                                                                                Coding Sequence 34...1344
                                                                                                                                                                                                                                                          linear
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01 Eastlake Avenue East
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Diskette
                                                                                                                                                                                                                                                                        single
                                                                                                                                   8.5%;
                                                                                                                     Score 72; DB 3;
Pred. No. 4e-07;
0; Mismatches
                                                                                                                     52; Indels
                                                                                                                                                   Length 1733;
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; ORGANISM: Triticum aestivum
US-09-342-653-5
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                                                           US-09-489-847-64
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                                                                                                                                SOFTWARE: PatentIn Ver. SEQ ID NO 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 64, Application US/09489847
Patent No. 6476195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 5
LENGTH: 572
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Patent No. 630663
                   Query Match
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 Best Local Similarity
                                                                                                                                                                                                                             EARLIER APPLICATION NUMBER: 60/095,454
EARLIER FILING DATE: 1998-08-06
                                                                                                                                                                                                                                                                                                  EARLIER FILING DATE: 1998-07-30
EARLIER APPLICATION NUMBER: 60/095,486
EARLIER FILING DATE: 1998-08-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/342,653
CURRENT FILING DATE: 1999-06-29
                                                                                                LENGTH: 13
                                                                                                                                                                         NUMBER OF SEQ ID NOS: 376
                                                                                                                                                                                        EARLIER APPLICATION NUMBER: 60/
EARLIER FILING DATE: 1998-08-06
                                                                                                                                                                                                                                                               EARLIER APPLICATION NUMBER: 60/096,319
EARLIER FILING DATE: 1998-08-12
                                                                                                                                                                                                                                                                                                                                                                                              CURRENT FILING DATE: 2000-01-24
EARLIER APPLICATION NUMBER: PCT/US99/17130
                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Rosen et al TITLE OF INVENTION: 98 Human Secreted Proteins FILE REFERENCE: PZ031P1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 7
SOFTWARE: Microsoft Office 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EARLIER APPLICATION NUMBER: 60/092,841
EARLIER FILING DATE: July 14, 1998
NUMBER OF SEO ID NOS: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: BB-1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Cahoon, Rebecca E.
APPLICANT: Rafalski, Antoni
TITLE OF INVENTION: Chromatin Associated Proteins
                                                                                                                                                                                                                                                                                                                                                            EARLIER APPLICATION NUMBER: 60/094,657
                                                                                                                                                                                                                                                                                                                                                                               EARLIER FILING DATE: 1999-07-29
                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/489,847
                                                                          ORGANISM: Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
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 67..3%;
                       8.4%;
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Score 71.4; DB 4;
Pred. No. 5.1e-07;
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Pred. No. 3.9e-07;
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                       DB 4;
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                     Length 1361;
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Conservative

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APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER FILE REPERENCE: 210121.462C2
CURRENT APPLICATION NUMBER: US/09/404,879A
CURRENT FILING DATE: 1999-09-24
NUMBER OF SEQ ID NOS: 393
SOFTWARE: FASESEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; LENGTH: 569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-461-325-44
                                                                                                                                                                                                                                                        US-09-404-879A-261/c
                                                                                                                                                                                                                                                                              RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-461-325-44
                                                                                                                                                                                              Sequence 261, Application US/09404879A Patent No. 6468546 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Loc
Matches
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 44, Application US/09461325A Patent No. 6475753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: 94 Human Secreted Proteins FILE REFERENCE: PZ029P1 CURRENT APPLICATION NUMBER: US/09/461,325A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EARLIER APPLICATION NUMBER: 60/090,113
EARLIER FILING DATE: 1998-06-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EARLIER APPLICATION NUMBER: PCT/US99/13418
EARLIER FILING DATE: 1999-06-15
EARLIER APPLICATION NUMBER: 60/089,507
EARLIER FILING DATE: 1998-06-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT FILING DATE: 1999-12-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Ruben et
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                      545
                                                                                                                                                                                                                                                                                                                                                                        813 AAAAAAAATNTNGGGGGGGGGCCC 837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/089,510 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/090,112 FILING DATE: 1998-06-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/089,508 FILING DATE: 1998-06-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8.3%;
ilarity 88.2%;
Conservative
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Pred. No. 7.2e-07;
0; Mismatches 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 569;
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                                                                        APPLICANT: Mitcham, Jennifer L.

APPLICANT: Frudakis, Tony N.

APPLICANT: King, Gordon E.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS

TITLE OF INVENTION: OF OVARIAN CANCER

FILE REFERENCE: 210121.463

CURRENT APPLICATION UNMER: US/09/215,681A

CURRENT FILING DATE: 1998-12-17

NUMBER OF SEQ ID NOS: 310

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 261

LENGTH: 94
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-338-933-261
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US-09-215-681-261/c
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US-09-338-933-261/c
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                                                                                                                                                                                                                                                                                                        Sequence 261, Application US/09215681A Patent No. 6528253 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 312
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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Best Local Similarity
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Best Local ci-
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                      TYPE: DNA
ORGANISM: Homo sapien
-09-215-681-261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mitcham, Jennifer Lynn
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
TITLE OF INVENTION: OVARIAN CANCER
FILE REFERENCE: 210121.462C1
CURRENT APPLICATION NUMBER: US/09/338,933
CURRENT FILING DATE: 1999-06-23
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Local Similarity 91.2%;
les 73; Conservative
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Pred. No. 4.7e-07;
Niematches 7;
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RESULT 15
US-09-152-060-15
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; ORGANISM: Homo sapiens
US-09-489-847-35
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US-09-489-847-35
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EARLIER FILING DATE: 1998-07-30
EARLIER FILING DATE: 1998-08-05
EARLIER FILING DATE: 1998-08-05
EARLIER APPLICATION NUMBER: 60/096,319
EARLIER FILING DATE: 1998-08-12
EARLIER FILING DATE: 1998-08-06
EARLIER FILING DATE: 1998-08-06
EARLIER FILING DATE: 1998-08-06
EARLIER APPLICATION NUMBER: 60/095,454
EARLIER APPLICATION NUMBER: 60/095,455
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Best Local S
Matches 120
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                                                Sequence 15, Application US/09152060 Patent No. 6448230 GENERAL INFORMATION:
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LENGTH: 949
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Best Local 9
APPLICANT: Rosen et al.
TITLE OF INVENTION: 28 Human Secreted Proteins
FILE REFERENCE: PZ003P1.US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/489,847
CURRENT FILING DATE: 2000-01-24
EARLIER APPLICATION NUMBER: PCT/US99/17130
EARLIER FILING DATE: 1999-07-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Ver.
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NUMBER OF SEQ ID NOS: 376
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Pred. No. 9.4e-07;
0; Mismatches 65
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CURRENT APPLICATION NUMBER: US/09/152,060

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SEQ ID NO 15
LENGTH: 1123
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                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/040,710 FILING DATE: 1997-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1998-09-11
APPLICATION NUMBER: PCT/US98/04858
                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/057,765
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/050,934
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86; Conserv
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                                                                                                             Score 69.8; DB 4;
Pred. No. 1.1e-06;
0; Mismatches 27;
                                                                                                                                         Length 1123;
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Search completed: December 18, 2003, 22:37:42 Job time : 74 secs

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Result
No.
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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| (Ggn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
| (Ggn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
| (Ggn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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/cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
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/cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
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             US-09-824-787B-19
US-09-824-787B-35
US-09-824-787B-37
US-09-824-787B-37
US-09-824-787B-65
US-09-824-787B-63
US-09-824-787B-67
US-09-824-787B-67
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US-09-824-787B-5
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         Sequence 124, App
Sequence 479, App
Sequence 5, Appli
Sequence 19, Appl
Sequence 33, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 20, Appli
Sequence 20, Appli
Sequence 67, Appl
Sequence 67, Appl
Sequence 68, Appl
Sequence 70, Appl
Sequence 46, Appl
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389 387.4	390	390.4	392	395.8	397	398.8	400	400	400	402	402	403	407.2	413	414.8	419	420.6	421	423	427.6	431.8	432.8	433	434	434	439	444	444.6
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389 394	401	392	418	473	397	454	404	404	404	418	405	403	458	420	621	419	427	421	490	508	459	461	447	434	434	451	444	452
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US-09-824-787B-71 US-09-824-787B-56	-09-824-787B-	-09-824	-09-824-787B-	US-09-824-787B-54	US-09-824-787B-11	US-09-824-787B-55	US-10-010-742-103	US-09-910-689-103	US-09-778-320-103	US-09-824-787B-61	US-09-824-787B-72	-09-824-787B-	-09-824-787B-4	-09-	1	US-09-824-787B-59	-787B-	ū	US-09-824-787B-6	-09-824-787B-	US-09-824-787B-51	US-09-824-787B-48	-787B-	US-09-824-787B-50	US-09-824-787B-49	US-09-824-787B-52	US-09-824-787B-44	US-09-824-787B-43
Sequence 71, Appl Sequence 56, Appl	63	Sequence 74, Appl	٥	54	1	55	e 10	103	103	61	72	62	42	21	Sequence 4, Appli	59	57	83		œ	51	48	53	50	49	52	Sequence 44, Appl	Sequence 43, Appl

ALIGNMENTS

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-925-301-124
                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. SEQ ID NO 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 124, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
                                                                                                                     Matches
                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA106

CURRENT APPLICATION NUMBER: US/09/925,301

CURRENT FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05882

PRIOR FILING DATE: 2000-03-08

PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270

PRIOR PILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1694
                                                                                                                                                                                                                                                                                                                                                         LENGTH: 845
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                       Local Similarity
                                                                                                                   845;
61 GCCGGGGCAGACGTCCGTAGCGCCCCCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGTCCG 120
                                       μ
                                                                         Conservative
                                                                                                                                     99.8%; Score 843; DB 9; Length 845; 100.0%; Pred. No. 1e-178;
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Sequence

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Sequence 479, Application US/10177293
Publication No. US20030124128A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Glatt, Karen
APPLICANT: Glatt, Karen
APPLICANT: Gannavarpu, Manjula
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Wertens, Maureen
APPLICANT: Wertens, Maureen
APPLICANT: Wang, Youzhen
APPLICANT: Xu, Yongyao
APPLICANT: Hoersch, Sebastian
APPLICANT: Monahan, John
APPLICANT: Meyers, Rachel E.
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TITLE OF INVENTION: COMPOSITIONS, KITS, AND WITTLE OF INVENTION: PREVENTION, AND THERAPY

FILE REFERENCE: MRI-038

CURRENT APPLICATION NUMBER: US/10/177,293

CURRENT FILING DATE: 2001-06-21

PRIOR APPLICATION NUMBER: US 60/301,572

PRIOR FILING DATE: 2001-06-27

PRIOR FILING DATE: 2001-07-18

PRIOR FILING DATE: 2001-09-25

PRIOR APPLICATION NUMBER: US 60/362,585

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Best Local Similarity
Matches 769; Conserv
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 ATAGAAGATTCCGTGGCCTTGGGGGGCAGGAGAGAGAGACACTCTCCATGAACACTTCTCCAG
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                                                                                ACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTACAAAGAAGGA
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Sahin, Aysegul
Mills, Gordon B.
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Hortobagyi, Gabriel
Pusztai, Lajos
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99.9%;
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Pred. No. 1.1e-159;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1057;
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
APPLICANT: Borrello, Melinda A.
ITITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWAABE: PatentIn Ver. 2.1
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US-09-824-787B-5
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                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 683
TYPE: 'DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (608) ... (608)
OTHER INFORMATION: n is any nucleotide
                                                                                                                                                                                                                                                                                                                                      Local Similarity
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          TGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGC
                                                         AAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCC
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Pred. No. 4.7e-142;
0; Mismatches 3;
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; TYPE: DNA
; ORGANISM: Homo sapiens
; PEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7). - (7)
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Sequence 19, Application US/09824787B
Patent No. US20020155447A1
GENERAL INFORMATION:
APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.004001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR TILING DATE: 2000-04-04
INUMBER OF SEQ ID NOS: 147
SOPTWARE: Patentin Ver. 2.1
SEQ ID NO 19
LENGTH: 584
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GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCC 353
                                                                   CAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGG
                                                                                                                                                          TGGCCAGTGCTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCCTCGGGGGCA 233
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Pred. No. 4.1e-119;
0; Mismatches 0;
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SEQ ID NO 33
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APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
PITTLE OF INVENTION: A Gene Differentially Expressed in Breast
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,7878
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 532
TYPE: DNA
ORGANISM: Homo sapiens
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SOFTWARE: Patentin Ver. 2.1
LENGTH: 571
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc feature
LOCATION: (482)...(482)
OTHER INFORMATION: n is any n
NAME/KEY: misc feature
LOCATION: (503)...(503)
OTHER INFORMATION: n is any n
NAME/KEY: misc feature
LOCATION: (520)...(520)
OTHER INFORMATION: n is any n
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ORGANISM: Homo sapiens
FEATURE:
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                             GGGGTCCAAACCTTGGTCCCTTTGGTCCTGCTGGGAGCTCCCCCTGCCTCTTTCCCCT
                                                                                                                 CAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCT
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                                                                           NAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCT
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; LOCATION: (520)...(520)
; OTHER INFORMATION: n is
US-09-824-787B-37
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US-09-824-787B-37/c
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Patent No. US20020155447A1
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APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: UNA
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                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc feature LOCATION: (387)...(387) OTHER INFORMATION: n is any
                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(1)
OTHER INFORMATION: n is any nucleotide of
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                                                                                                             TATGAGAAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCCTAGA)AAAG
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    CTCTGTTCTGGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCCTGCCT
                                                                                           TATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCCTAGAAAAG
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Pred. No. 6.8e-104;
0; Mismatches 5;
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APPLICANT: Zauderer, Maurice

APPLICANT: Evans, Elizabeth E.

APPLICANT: Evans, Elizabeth E.

APPLICANT: Evans, Elizabeth E.

APPLICANT: Evans, Melinda A.

TITLE OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides FILE REFERENCE: 1821.0040001

CURRENT APPLICATION NUMBER: US/09/824,787B

CURRENT FILING DATE: 2001-04-04

PRIOR APPLICATION NUMBER: 60/194,463

PRIOR FILING DATE: 2000-04-04

NUMBER OF SEQ ID NOS: 147

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US-09-824-787B-65/c
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LENGTH: 501
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Best Local Similarity
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TGGCCTTGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCC
                                               GCAAAGAGACCCTGGCCTCCACTTTGCCCTTTGGGTACAAAGAAGTAATAGAAGATTCCG
                                                                     GCAAAGAGACCCTGGCCTTCCACTTTGCCCCTTTGGGTACAAAGAAGGAATAGAAGATTCCG
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Pred. No. 1.1e-101;
0: Mismatches 2;
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APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth B.
APPLICANT: Evans, Elizabeth B.
APPLICANT: Borrello, Melinda A.
ITLE OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
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PRIOR APPLICATION NUMBER: 60/194,463
PRIOR PRILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Homo sapiens
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                CCTGCCTCTTTCCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTTCCACTTTTGCCCTT
                                                                                                                                                         TAGAAAAGATCACCAACAGCCGTCCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGG
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                                                                GTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGGGAGCT-CC
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                                                                                                                                   TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGG
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Pred. No. 2.8e-97;
0; Mismatches 5;
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Sequence 20, Application US/09824787B

Sequence 20, Application US/09824787B

Patent No. US20020155447A1

GENERAL INFORMATION:

APPLICANT: Zauderer, Maurice
APPLICANT: Borrello, Melinda A.

TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides

FILE REFERENCE: 1821.0040001

CURRENT APPLICATION NUMBER: US/09/824,787B

CURRENT FILING DATE: 2001-04-04

PRIOR APPLICATION NUMBER: 60/194,463

PRIOR APPLICATION NUMBER: 60/194,463

PRIOR FILING DATE: 2000-04-04

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 20

LENGTH: 488

TYPE: DNA

ORGANISM: Homo sapiens

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                                                                                   TGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTT
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                                                                TGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTT
                                                                                                                              GCCAGTAATGGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTG
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RESULT 11
US-09-824-787B-67/c
; Sequence 67, Application US/09824787B
; Patent No. US20020155447A1
; GENERAL INFORMATION:
; ARPLICANT: Zauderer, Maurice
; APPLICANT: Evans, Elizabeth E.

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LENGTH: 2000-04-04

NUMBER OF SEQ ID NOS: 147

SEVENTANIES OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides FILE REFERENCE: 1821.004.0001

CURRENT APPLICATION NUMBER: US/09/824,787B

CURRENT FILING DATE: 2001-04-04

PRIOR APPLICATION NUMBER: 60/194,463

PRIOR PILING DATE: 2000-04-04

NUMBER OF SEQ ID NOS: 147

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 68

LENGTH: 483

TYPE: DNA
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; TYPE: DNA
; ORGANISM: Homo s
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TITLE OF INVENTION: A Gene Differentially Expressed in Breast
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT.FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOPTWARE: Patentin Ver. 2.1
SEQ ID NO 67
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RESULT 13
US-09-824-787B-70/c
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                                                                                                                                                                                                                                                                                                                                                                                       Sequence 70, Application U Patent No. US20020155447A1 GENERAL INFORMATION:
                                                                                                                                    SOFTWARE: PatentIn
SEQ ID NO 70
                                                                                                                                                                    APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Bornello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
FILE REFERENCE: 1821.004001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
COURTENER: DESCRIPTION OF SECONDAME.
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Best Local
NAME/KEY: misc_feature
LOCATION: (385)...(385)
OTHER INFORMATION: n is any nucleotide of
                                                            TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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                                                                                                                    LENGTH: 594
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Pred. No. 7.5e-94;
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RESULT 14
US-09-824-787B-46/c
; Sequence 46, Application US/09824787B
; Patent No. US20020155447A1
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Query Match
Best Local Similarity
Matches 448; Conserv
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                                                                                                                      SEQ ID NO 46
                                                           TYPE: DNA
ORGANISM: Homo
-09-824-787B-46
                                                                                                                                 APPLICANT: Zauderer, Maurice
APPLICANT: Evans, Elizabeth E.
APPLICANT: Evans, Elizabeth E.
APPLICANT: Borrello, Melinda A.
TITLE OF INVENTION: A Gene Differentially Expressed in Breast and TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides FILE REFERENCE: 1821.0040001
CURRENT APPLICATION NUMBER: US/09/824,787B
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 60/194,463
PRIOR PILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
                                                                                                      LENGTH: 456
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94.0%;
53.0%; Score 448; DB 10; 100.0%; Pred. No. 1.5e-90; tive 0; Mismatches 0;
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Pred. No. 3.5e-91;
0; Mismatches 26;
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                            Length 456;
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APPLICANT: Evans, Elizabeth E.

APPLICANT: Borrello, Melinda A.

APPLICANT: Borrello, Melinda A.

TITLE OF INVENTION: A Gene Differentially Expressed in Breast and ITILE OF INVENTION: Bladder Cancer, and Encoded Polypeptides FILE REFERENCE: 1821.004001

CURRENT APPLICATION NUMBER: US/09/824,787B

CURRENT FILING DATE: 2001-04-04

PRIOR APPLICATION NUMBER: 60/194,463

PRIOR APPLICATION NUMBER: 60/194,463

PRIOR FILING DATE: 2000-04-04

NUMBER OF SEQ ID NOS: 147

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 69

LENGTH: 449
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                                                                                                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Homo
US-09-824-787B-69
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Best Local Similarity
Matches 447; Conserv
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                                  AAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCCTGCCTCTTTCCCCTACTTAGC
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29 742 68 682 149 622 209 562 269 502 329

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Gaps

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270 496 330 436 390

Search completed: December 18, 2003, 22:36:18 Job time : 335 \mbox{secs}

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Maximum Match 100%
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2 60143632	BE894752	10	0			30
U687648 UI-CF-EC	BU687648	13	w	•	29.	29
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1836162 60308588	BI836162	12	9	•	4	27
F965399 60226	BF965399	10	\vdash	•	47.	26
E898474 60168136	BE898474	10	0	•	48.	25
73978 UI-E-EJO	BM673978	12	0	77.1		24
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8110 AV728110	AV728110	φ	ū	•	54.	22
7403 60234741	BG117403	10	913	•	68.	21
22755 UI-H-FG1		13	æ	•	69.	20
1833546 60308	BI833546	12	4	•	74.	19
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F793444 602	F79344	10	\vdash	•	90.	13
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                  GTAATACCTGTCT-GATGCCACAGATTTTATTTATTCTCCCCCTAACCCCAGGGCAATGTCA 729
                                                                                        CACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCG
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GTAATACCTGTCTGGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone lib="NIH_MGC_119"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: Not1;
Site_2: EcoRV (destroyed); RNA source normal medulla from anonymous male age 27. Library is oligo-dr primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.3 kb, insert size range 0.9-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 013. Note: this is a NIH MGC Library."

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/lab_host="DH10B"
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/db_xref="taxon:9606"
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5', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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1. (bases 1 to 729)
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
CDNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
                                                                                                            TGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCG
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                                                    GGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCCAAGCTGGAGA
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/mol_type="mRNA"
/db_xref="taxon:9606"
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1 Homo sapiens cDNA clone IMAGE:6462483
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BG705876.1
EST.
                                                                                                      DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM10669 row: h column: 17
High quality sequence stop: 761.
                                                                                                                                                                                 Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI),
Toshiyuki and Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
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1 (Dases 1 to 799)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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            /clone="IMAGE:4792000"
/tissue_type="hypothalamus"
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                                                                       organism="Homo sapiens"
 clone lib="NIH_MGC_96"
                                             mol_type="mRNA"
db_xref="taxon:9606"
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GGCGCTACAAAACCAAAAAAACAACAAAAAA
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Pred. No. 6.2e-59;
0; Mismatches 10
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BG707555 778 bp mRNA linear bbi v/-rwi-4 602670604F1 NIH_MGC_96 Homo sapiens cDNA clone IMAGE:4793496 5',

EST 07-MAY-2001

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Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI), Shire
Toshiyuki and Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
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Mammalia; Eutheria; Primates; Catarrhini;
1 (bases 1 to 778)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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Location/Qualifiers
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                 TTGAGGCCATCCGAAGAGCCAGTAATGGAGAAAACCCTAGAAAAGATCACCAACAGCCGTC
                                                                                                                     ATGGACAGCTGGTGTTCTCCAAGCTGGAGAATGGGGGGCTTTCCCCTATGAGAAAGATCTCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /clone lib="NIH_MGC_96"
/note="Organ: brain; Vector: pBluescriptR (modified pBluescript KS+); Site_1: BamHI; Site_2: SalI-KhoI (gtcgag pBluescript KS+); Site_1: BamHI; Site_2: SalI-KhoI (gtcgag pBluescript KS+); Site_1: BamHI; Site_2: SalI-KhoI (gtcgag pBluescript KS+); Site_1: BamHI; Site_2: SalI-KhoI (gtcgag); Oligo-dT primed using primer size_2: kb and normalized to ROT 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library."

a 223 c 217 g 160 t
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/db_xref="taxon:9606"
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collect
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AGENCOURT_7892547 NIH_MGC_
5', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                          Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                                                                                                                                                                                                  High quality sequence stop:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished
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cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
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                  171
            /clone="IMAGE:6158703"
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/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_72"
/note="Organ: skin; Vector: pCMV-SPORT6; Site_1:
Site_2: Sall; Cloned unidirectionally. Primer: O
Average insert size 2 kb. Library constructed b
Technologies."
157 t 1 others
                                                                                                                                                                         /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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Query Match

. 28;

Score 719.8;

DB 13;

Length 754;

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IMAGE: 30331171 5', mRNA sequence.
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CB995733.1 GI:30290301
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                             Eukaryoča; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria, Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 835)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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Contact: Robert Strausberg,
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Tissue Procurement: Dr. Stefan Hansson
cDNA Library Preparation: Michael J. Brownstein (NHGRI) wit
and advice from Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: NDAM346 row: c column: 20
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Location/Qualifiers
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                                     ACTTTGCCCTTTGGGTACAAAGAAGAATAGAAGATTCCGTGGCCTTGGGGGCAGAGAG
                                                                                                             TGGGAGCTCCCCCTGCCTTTTCCCCTACTTAGCTCCTTAGCAAAGAGAGACCCTGGCCTCC
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a 242 c
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/rote="Organ: placenta; Vector: pBluescriptR; Site_1:
all-XhoI; Site_2: BamH; Library is oligo-dT primed and
directionally cloned using primer
5'-TTTTTTTTTTTTTTTVN-3', size-selected for average insert
size 2.3 kb and normalized to ROT 5. This is a primary
library enriched for full-lenght clones and constructed
using the Cap-trapper method (Carninci, in preparation).
Library constructed by M. Brownstein (NIMH/NHGRI,
Mational Institutes of Health). Note: this is a NIH_MGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mol_type="mRNA"
/db xref="taxon:9606"
/clone="IMAGE:30331171"
/clssue_type="pre-eclamptic placenta"
/lab_host="DH10B TonA"
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Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene
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AGENCOURT 7909281 NIH_MGC_70
5', mRNA sequence.
BU170259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Plate: LLAM13360 row: a column: 11
High quality sequence stop: 659.
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EST.
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Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CDNA Library Preparation: Life Technologies, Inc. CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can
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                                                                                                                                                                    Conservative
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/mol_type="makNa"
/db_xref="rtaxon:9506"
/clone="IMAGE:6092434"
/tissue_type="epithelioid carcinoma"
/tissue_type="epithelioid carcinoma"
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/clone_lib="NHH_MGC_70"
/note="Organ: pancreas; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: Sall; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.1 kb. Library constructed by Life
Technologies."
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100.0%;
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Pred. No. 1.6e-58;
0; Mismatches 0;
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sapiens cDNA clone
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CD368938
CD368938.1 GI:31153028
EST.
                                                                                                                                                                                                                                                                                              Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 717)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP);
                                                                                                                             CDNA Library preparation: Dr. M. Bento Soares, University of Iowa CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution: Distribution information can be found at http://genome.uiowa.edu/distribution/cgap.html
                                                                                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. Gary W. Hunninghake, U of I
                                                                                                                                                                                                                                                    Contact: Robert Strausberg,
                                                                                                                                                                                                                                                                Unpublished
                                                                                                                                                                                                                                                                                  Tumor Gene Index
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/organism="Homo sapiens"
/mol_type="mRNA"
/mol_type="mRNA"
/db xref="ttaxon:9606"
/clone="UI-H-FT1-bjx-n-01-0-UI"
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/note="Organ: Lung; Vector: pT7T3-Pac (Pharmacia) with a modified polylinker; Site 1: EcoR I; Site 2: Not I; NCI_CGAP FT1 is a normalized cDNA library_constructed from a pool of 81 RNA samples from Alveolar Macrophages challenged with different treatments. The library was normalized according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT7T3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is GGCCATGCCG. The tissue was provided by Dr. Gary W. Hunninghake of the University of Iowa.
                                                                                                                                                                                                                                                                                                        |GGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCCCCCTGCCTCT
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TAG_TISSUE=Human Lung Aveolar Macrophage
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/dev_stage="Adult"
/lab_host="DH10B (Life Technologies)"
/lab_host="UNITY"
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Pred. No. 3e-58;
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cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM13318 row: h column: 22
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AGENCOURT 7829020 NIH MGC 68 Homo
5', mRNA sequence.
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Tissue Procurement: DCTD/DTP/Gazdar
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National Institutes of Health, Mammalian Gene Collection (MGC)
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1 (bases 1 to 917)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished
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                               CTGGTGTTCTCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCC 325
                                                                                      ATCGAGATCGAGTCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAG
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /tissue_type="large cell carcinoma"
/lab host="DHIOB (phage-resistant)"
/clone lib="NIH MGC 68"
/note="Torgan: lung; Vector: pCMV-SPORT6; Site_1: Not1;
/note="Torgan: lung; Vector: pCMV-SPORT6; Site_1: Not1;
/site_2: Sall; Cloned unidirectionally. Primer: Oligo of Average insert size 1.8 kb. Library constructed by Li
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/mol_type="mRNA"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Louis M. Staudt, M.D., Ph.D.
Tissue Procurement: Louis M. Staudt, M.D., Ph.D.
CDNA Library Preparation: Ling Hong/Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
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602711008F1 NIH_MGC_48
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High quality sequence stop: 700.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens
/tissue_type="primary B-cells from tonsils (cell line)"
/lab host="PH10B (phage resistant)"
/clone_lib="NIH_MGC_48"
/note="Torgan: B-cells; Vector: pOTB7; Site_1: XhoI;
Site_2: ECOR1; CDNA made by oligo-dT priming.
Directionally cloned into ECORI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Size-selected >500bp
                                                                                                         /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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                                                      AGENCOURT_7966168 NIH_MGC_7
5', mRNA sequence.
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  Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                            BU166943
                                          Homo sapiens (human)
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AACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGAC
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                   CCCTAACCCAGGGCAATGTCAGCTATTGGCAGTAAAGTGGCGC
                                                                                              TCTCCATGAACACTTCTCCAGCCACCTCATACCCCCCTTCCCAGGGTAAGTGCCCACGAAA
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CCCTAAGCCAGGACAATGTCAGCTATCGGCAGTAAAGTGGCGC
                                                                        GCCCAGTCCACTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTGTATTGATTCTC
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99.3%;
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No. 2.7e-56;
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724 :_72

Homo đđ

sapiens mRNA

CDNA

clone

EST 04-SEP-2002

IMAGE: 6165172

Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.

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Best Local Similarity
Matches, 718; Conserv
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CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM13523 row: h column: 05
High quality sequence stop: 584.
Location/Qualifiers
TCE
1704
                597
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National Institutes of Health, Mammalian
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AACACTTCTCCAGCCACCTCATACCCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTC
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/lab host="DH10B (phage-resistant)"
/clone lib="NH MGC 72"
/note="Organ: skin; Vector: pCMV-SPORT6; Si
Site_2: Sall; Cloned unidirectionally. Pri
Average insert size 2 kb. Library constru
Technologies."
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196 g 153 t 1 others
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/clone="IMAGE:6165172"
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Pred. No. 3.1e-56;
0; Mismatches 3
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Table 736;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mammalia; Eutheria; Primates; Catarrhini;
1 (Dases 1 to 759)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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602038428F1 NCI_CGAP_Brn64
5', mRNA sequence.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                             Similarity
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CACTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTTTAATTTATTCTCCCCTAAC 660
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                      GCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCG
                                                                    CCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGAGTACTGTGAACCCTGCG
                                                                                          CCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGTGGAGTACTGTGAACCCTGCG
                                                                                                                                                                        CCGAGGCGGAGCCGGCGATGAGCGGGGAGCCCGGGGCAGACGTCCGTAGCGCCCCCTC
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GCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCG
                                                                                                                                        CCCGAGCGGAGCCGCGATGAGCGGGGAGCCGGGGCAGACGTCCGTAGCGCCCCCTC
                                                                                                                                                                                                                                                                                                    172
                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                            /clone="IMAGE:4186398"
/tissue_type="glioblastoma with EGFR amplification"
/lab_host="DH10B (TI phage-resistant)"
/clone_lib="NCI (GAP_Brn64"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: Not Site_2: Sall; Cloned unidirectionally. Primer: Oligo Average insert size 1.57 kb. Constructed by Life Technologies. Note: this is a NCI_CGAP_Library."
a 220 c 212 g 155 t
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/mol_type="mRNA"
/db_xref="taxon:9606"
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97.4%;
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                                                                                                                                                                                                           Score 692.8; DB 10;
Pred. No. 4.1e-56;
D; Mismatches 17;
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                                  CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLN
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM9970 row: g column: 05
High quality sequence stop: 709.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                        BF793444 713 bp r 602254920F1 NIH_MGC_84 Homo sapiens
                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                       BF793444.1 GI:12098498
                                                                                                                                                                                                                                                                                                                                mRNA sequence
                                                                                                                                                                                        Unpublished
                                                                                                                                                                                                  Mammalia; Eutheria; Primates; C
1 (bases 1 to 713)
NIH-MGC http://mgc.nci.nih.gov/
National Institutes of Health,
                                                                                                                                                                                                                                                                   Homo
                                                                                                                                                                                                                                                                               Homo sapiens (human)
                                                                                                                                                                             Contact: Robert Strausberg,
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M981287 711 bp mRNA linear UI-CF-EN1-adh-a-08-0-UI-31 UI-CF-EN1 Homo sapiens UI-CF-EN1-adh-a-08-0-UI 3', mRNA sequence. — BM981287 BM981287.1 GI:19603618
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/clone="IMAGE:4347292"
/tissue_type="adrenal correx carcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone lib="NIH MGC 84"
/clone lib="NIH MGC 84"
/note="Organ: adrenal gland; Vector: pCMV-SPORT6; Site_1:
Not1; Site_2: Sal1; Cloned unidirectionally; oligo-dT
primed. Average insert size 1.229 kb. Library enriched for
full-length clones and constructed by Life Technologies.
Note: this is a NIH MGC Library."
67 a 204 c 187 g 155 t
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Tissue Procurement: Dr. M. J. Welsh, University of Iowa
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
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Fax: 319 356 7171
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seq primer: M13 FORWARD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genetics (www.resgen.com) (www.openbiosystems.com).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: McCray, PB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8889548
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Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (human)
                                                                                                                                                                                                                                                   Similarity
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      GTATCCGGGCATCGAGATCGAGTCGCGCCCTCGGGGGCACAGGTGCCTTTGAGATAGAGAT 255
                                                                                           CTGTGAACCCTGCGGCTTCGAGGCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCA 195
                                                                                                                                                               CGTAGCGCCCCCTCCCGAGGAGGTCGAGCCGGGCAGTGGGGTCCGCATCGTGGTGGAGTA
                                                                                                                                      CGTAGCGCCCCCTCCCGAGGAGGTCGAGCCGGGCAGTGGGTCCGCCATCGTGGTGGAGTA
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aldo,M.F., Lenno
                                                                                                                                                                                                                                                                                                                                        154
                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                       /dev_stage="Adult"
/lab_host="DH10B (Life Technologies) (T1 phage registant)"
/clone_lib="UI-CF-EN1"
/note="Organ: Lung; Vector: pT7T3-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not 1;
UI-CF-EN1 is a normalized CDNA library containing the
following tissue(8): Primary Lung Cystic Fibrosis
Epithelial Cells. The library was constructed according to
Bonaldo, Lennon and Soares, Genome Research, 6:791-806,
1996. First strand cDNA synthesis was primed with an
oligo-dT primer containing a Not I site. Double stranded
cDNA was ligated to an EcoR I adaptor, digested with Not
I, and cloned directionally into pT7T3-Pac vector. The
oligonucleotide used to prime the synthesis of
first-strand cDNA contains a library tag sequence that is
located between the Not I site and the (dT)18 tail. The
                                                                                                                                                                                                                                                                                                                                                                                                 sequence tag for this library is CTGCTCAGGT.
TAG_LIB=UI-CF-EN1
TAG_TISSUE=Human Lung Epithelial Cell Lines untreated LPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /tissue_type="Primary Lung Cystic Fibrosis Epithelial
Cells"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                          SEQ=CTGCTCAGGT"
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                                                                                                                                                                                                                                               81.1%;
99.1%;
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                                                                                                                                                                                                                      Score 685.4; DB 12;
Pred. No. 2.1e-55;
                                                                                                                                                                                                                                                                                                                                        205
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                                                                                                                                                                                                                                                                      DB 12;
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                                                                                                                                                                                                                                                                   Length 711;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      256
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                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: James Martin
CDNA Library preparation: Dr. M. Bento Soares, University of Iowa
CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Clone distribution information can be obtained
from Dr. M. Bento Soares, bento-soares@uiowa.edu
                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 787)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BU623706 787 bp mRNA 1
UI-H-FG1-bgi-a-17-0-UI.s1 NCI_CGAP_FG1 Homo
UI-H-FG1-bgi-a-17-0-UI 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                        Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACCTGTCTGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAAT 675
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                                                                                                                                                        primer: M13 FORWARD
/organism="Homo sapiens"
/mol type="mRNA"
/db xref="teaxon:9606"
/clone="UI-H-FG1-bgi-a-17-0-UI"
                                                                                                             ocation/Qualifiers
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EST 23-SEP-2002 CDNA clone

96

156

555

276

216

495

336

435

396

456

375

516

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Query Match 81.1%;
Best Local Similarity 97.8%;
Matches 726; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -739 GAGCGGACCGCCGCGATGGCGGGAGAGCCCGCAGACGTCCGT-GCGCCCCCTCCCGAGGA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     218 TCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      562 TCGCGCCTCGGGGGCACAGGTGCCTTTGAGATAGAGATAAATGGACAGCTGGTGTTCTCC 503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         622 GCGACCTACCTGGAGCTGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          681 GTCGAGCCGGGCAGT-GGGTCCGCATCGTGGTGGAGTACTGTGAACCCTGCGGCTTCGAG
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TGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTT
                                     TGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTCTGATGCCACAGATTT
                                                                                                                                                                                                                                                                                                  CCTCCACTTTGCCCTTTGGGTACAAAGAAGGAATAGAAGATTCCGTGGCCTTGGGGGCAG 577
                                                                                                                                                                                                                                                                                                                                                                                                                         CCTGCTGGGAGCTCCCCTGCCTCTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGG 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGT
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TAG_TISSUE-Enchondroma cell line (Mix of EN1 and EN2)
TAG_SEQ=CGGTCACTC"

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/lab_host="DH10B (Life Technologies)"
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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. 0000 0 0 0 C Ω 413 407.2 403 402 402 400 398.8 397 678.6 578.6 579.7 570.8 Score Query Match 594 13450 16572 20271 161815 168585 198008 Length 몂 AX269229 AX269203 AX269203 AX269212 AX269212 AX269213 AX269211 AX269211 AX269211 AX269168 AX269168 AX269166 AX269166 AX269166 AX2691166 AX269117 AX2691184 AX269119 AX269212 AC040933 AC142197 AX269227 AX269228 AX269230 AB096612 AB096614 AB096613 AC079199 BC006006 AX269165 AX269179 AX269195 AX269197 AX269197 AX269180 AX269163 AX269163 AX269206 AB096613 AC079199 AC0409313 AC142197 AX269206 AX269203 AX269201 AX269211 AX269212 AX269213 AX269195 AX269197 AX269225 AX269163 AX269180 AB096612 AX269228 BC006006 Homo sapi AX269165 Sequence Description Sequence Sequence Sequence Sequence Sequence Sequence Homo sapi Sequence Homo sapi Sequence Homo sapi Homo sapi Homo sapi Homo sapi Homo sapi Homo sapi Sequence Sequence

ALIGNMENTS

AUTHORS TITLE	REFERENCE	SOURCE ORGANISM	KEYWORDS	VERSION	ACCESSION	DEFINITION	Locus	BC006006	RESULT 1
Strausberg, R. Direct Submission	<pre>Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 748)</pre>	Homo sapiens (human) Homo sapiens	MGC.	BC006006.1 GI:13543711	MGC:14832 IMAGE:4283597, mRNA, complete cds. BC006006	Homo sapiens, Similar to RIKEN cDNA 1810046J19 gene, clone	BC006006 748 bp mRNA linear PRI 12-JUL-2001		

No.

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This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis, Genomescan gene prediction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cDNA Library Preparation: CLONTECH Laboratories, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) CDNA Sequencing by: Sequencing Group at the Stanford Human Center, Stanford University School of Medicine, Stanford, web site:

http://www-shgc.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (02-APR-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
CAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGC 462
                                             TGGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCA 402
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avkeqypgIeIesrlggtgafeIeIngqlvfsklenggfpyekDlIeAIrrasngetl
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/product="Similar to RIKEN cDNA 1810046J19
/protein_id="AAH06006.1"
/db_xref="GI:13543712"
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/clone="MGC:14832 IMAGE:4283597"
/tissue_type="Brain, primitive no close the "MH MGC 56"
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|mol_type="mRNA"
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Local Similarity
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Patent: WO 0174859-A 5 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                               GAGCCGGGGCAGACGTCCGTAGCGCCCCCCCCCGAGGAGGTCGAGCCGGGCAGTGGGGTC
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RESULT 3
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                                                                                                    al Similarity
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                                                                                                                                                                                    Zauderer,M., Evans,E.E. and Borrello,M.A. A gene differentially expressed in breast encoded polypeptides Patent: WO 0174859-A 19 11-OCT-2001; UNIVERSITY OF ROCHESTER (US) Location/Qualifiers
                                                                                                                                                                                                                                                                                                      Sequence 19 from AX269179
                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                GCGGGGAGCCGGGCAGACGTCCGTAGCGCCCCCCCGAGGAGGTCGAGCCGGGCAGTG
        TGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCA
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                                                                                                  68.2%; S llarity 100.0%; Conservative 0;
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                                                                                                                                            /organism="Homo sapiens'
/mol_type="genomic DNA"
/db_xref="taxon:9606"
172 c 171 g 1;
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Query Match
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Matches 532; Conserv
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AX269193
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GGTTCCTGCTCTGTGCGGGTCCAAACCTTGGTCCCCTTTGGTCCTGCTGCAGACCTCC
                                                                                    CTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTG
                                                                                                                                          GGCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACC
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                                                             CTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTG
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Best Local Similarity
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encoded polypeptides
Patent: WO 0174859-A 35 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
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Mammalia; Eutheria; Primates;
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                                                                                            CAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCT
                                                                                                                                           AGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCTAGAAAAGATCACCAA 369
                                                                                                                                                                                                                                GGAGCAGTATCCGGGCATCGAAAATCGAGTCGCGCTTCGGGGCACAGGTGCNTTTGAGAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CATGAACACTTCTCCAGCCACCTCATACCCCCTTCCCAGGGTAAGTGCCCACGAAAGCCC
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                                       GGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGGGAGCTCCCCCTGCCTCTTTCCCCT 489
                                                                             NAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGGGTTTCCTGCTCTGTTCT
                                                                                                                              AGATICTICATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCCCTAGAAAAGATCACCAA
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 ACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCCTTTGGGTACAAAGAAGGA
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                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
137 c 166 g 13
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                                                                                                                                                                                                                                                                                            61.0%;
95.8%;
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                                                                                                                                                                                                                                                                                 Score 515.8; DB 6
Pred. No. 1.8e-90;
0; Mismatches 21
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WO0174859.
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Best Local Similarity
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Patent: WO 0174859-A 37 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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TATGAGAAAAGATCTCATTGAGGCCATCCGAAGAGCCCAGTAATGGAGAAAACCCCTAGAAAAG
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Pred. No. 6.6e-89;
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 81
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AX269225
Sequence 65 from Patent
AX269225
AX269225.1 GI:16542141
                                                                                                                                                                 GCAAAGAGACCCTGGCCTCCACTTTGCCCTTTGGGTACAAAGAAGGAATAGAAGATTCCG
                                                                                                                                                                                                                                                                                                                      GCCATCCGAAGAGCCAGTAATGGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCC
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          TGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTA
                                                 CCTTCCCAGGGTAAGTGCCCACGAAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTC
                                                              CCTTCCCAGGGTAAGTGCCCACGAAAGCCCAGTCCACTCTTCGCCTCGGTAATACCTGTC
                                                                                                   TGGCCTTGGGGGCAGGAGAGAGACACTCTCCATGAACACTTCTCCAGCCACCTCATACCC
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TGATGCCACAGATTTTATTTATTCTCCCCTAACCCAGGGCAATGTCAGCTATTGGCAGTA
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
112 c 152 g 11
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Pred. No. 5.8e
0; Mismatches
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WO0174859.
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5.8e-87;
hes 2;
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Best Local Sim:
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Patent: WO 0174859-A 3 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AX269163 518 bp
Sequence 3 from Patent WO0174859.
AX269163
AX269163.1 GI:16542079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zauderer, M., Evans, E.E. and Borrello, M.A. A gene differentially expressed in breast
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                           TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACCTGCACAGGACTCTGG
                                                                                                                                                                                                         GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCC
                                                                                                                                                                                                                                                                                                                                                           TGGGTACAAAGAAGGAATAGAAGATTCCGT
              TGGGTACAAAGAAGGAATAGAAGATTCCGT 563
                                                                CCTGCCTCTTTCCCCTACTTAGCTCCTTAGCAAAGAGACCCTGGCCTCCACTTTGCCCTT
                                                                                                                GTTCCTGCTCTGGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCTCCC
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                                                                                              GTTCCTGCTCTGTTCTGGGGGTCCAAACCTTGGTCTCCCTTTGGTCCTGCTGGGAGCT-CC
                                                                                                                                             TAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTGTGACTGCACAGGACTCTGG
                                                                                                                                                                                             GCTTTCCCTATGAGAAAGATCTCATTGAGGCCATCCGAAGAGCCAGTAATGGAGAAACCC
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                                                                                                                                                                                                                                                                                              TGGCCAGTGCTGTGAAGGAGCAGTATCCGGGCATCGAGATCGAGTCGCGCCTCGGGGGCA
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
143 c 157 g 111
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Pred. No. 3.8e-83;
D; Mismatches 5;
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Best Local Similarity
Matches 476; Conserv
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Sequence
AX269180
                                                 Homo
                                                                                       Sequence 67 from Patent AX269227
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patent: WO 0174859-A 20 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
                                    Homo
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Mammalia; Eutheria;
          Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                          AX269227.1
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                                                                                                                                                                                                                                   TGACTGCACAGGACTCTGGGTTCCTGCTCTGTTCTGGGGTCCAAACCTTGGTCTCCCTTT
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                                                                                                                                                                                                                                                                                                           GCCAGTAATGGAGAAACCCTAGAAAAGATCACCAACAGCCGTCCTCCCTGCGTCATCCTG 394
                                                                                                                                                                                                                                                                                                                                         TCCAAGCTGGAGAATGGGGGCTTTCCCTATGAGAAAGATCTCATTGAGGCCCATCCGAAGA
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                                    sapiens
                                               sapiens (human)
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
141 c . 153 g 9;
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Primates;
          Chordata;
Primates;
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                                                                                                    474 bp
WO0174859.
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          Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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                                                    encoded polypeptides
Patent: WO 0174859-A 68 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
                                                                                                                                   Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                 Zauderer, M., Evans, E.E. and Borrello, M.A. A gene differentially expressed in breast
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Patent: WO 0174859-A 70 11-OCT-2001;
UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
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Sequence 70 from Patent
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/db_xref="taxon:9606"
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                                                                                                                    Submitted (20-NOV-2002) Hiroki Sasaki, National Cancer Research Institute, Genetics Division; Tsukiji 5-1-1, C Tokyo 104-0045, Japan (E-mail:hkasask@gan2.res.ncc.go. Tel:81-3-3542-2511(ex.4402), Fax:81-3-3541-2685)
                                                                                                                                                                                                                                         Kuwahara,Y., Tanabe,C., Ikeuchi,T., Aoyagi,K., Nishigaki,M., Sakamoto,H., Hoshinaga,K., Yoshida,T., Sasaki,H. and Terada,M. Presence of novel mechanisms other than the BFB cycles in
                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                            Direct Submission
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                                                                                                                                                                                                                              amplification of human
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                                                                                                                                                                                                                Unpublished
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Cancer Center 5-1-1, Chuo-ku

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Matches 451; Conservative
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2 (bases 1 to 16572)
Sasaki,H.
Direct Submission
Submitted (20-NOV-2002) Hiroki Sasaki, National Cancer Center Submitted (20-NOV-2002) Hiroki Sasaki, National Cancer Center Research Instituté, Genetics Division; Tsukiji 5-1-1, Chuo-ku, Tokyo 104-0045, Japan (E-mail:hksasaki@gan2.res.ncc.go.jp,
                                                                                                                         Kuwahara,Y., Tanabe,C., Ikeuchi,T., Aoyagi,K., Nishigaki,M., Sakamoto,H., Hoshinaga,K., Yoshida,T., Sasaki,H. and Terada,M. Presence of novel mechanisms other than the BFB cycles in
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Mammalia; Eutheria;
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                                                                                           Unpublished
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Location/Qualifiers
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Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;

Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo

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Direct Submission
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